

Application No. 10/500,029
Amendment dated January 19, 2006
Reply to Office Action of October 19, 2005

Docket No.: 22106-00068-US1

AMENDMENTS TO THE CLAIMS

This listing of claims replaces all previous versions and listings of claims in this application.

Claim Listing:

Claims 1-7: (Canceled).

8. (New) A high speed transfer system, comprising:

three protection and control devices,

wherein a first and a second one of said protection and control devices detect failures on respective first and second feeder bus-bars,

wherein, responsive to a detection of a failed one of the first and second feeder bus-bars, a third one of said protection and control devices coordinating system functionality including causing switchgear connected to the failed active feeder bus-bar to open so as to disconnect an electric load from the failed feeder bus-bar and to connect the electric load to an unfailed one of the first and second feeder bus-bars,

wherein the third one of said protection and control devices comprises a processor running computer code which includes:

a software architecture comprising a first software part and a second software part that are run in parallel with each other,

said first software part being cyclically executed, said second software part being an event-driven process performed in responsive to external events and run asynchronously with respect to said first software part,

Application No. 10/500,029
Amendment dated January 19, 2006
Reply to Office Action of October 19, 2005

Docket No.: 22106-00068-US1

said second software part comprising a run-time procedure for assigning an execution priority to the external events of said second software part and to cycles of said first software part.

9. (New) The High Speed Transfer System of claim 8, wherein said first and second Protection and Control devices communicate with said third Protection and Control device via an optical cable.

10. (New) The High Speed Transfer System of claim 8, further comprising a digital communication channel operatively connected to allow a service communication among the three Protection and Control devices.

11. (New) The High Speed Transfer System of claim 8, wherein each of said first, second and third Protection and Control devices comprise a human-machine interface.

12. (New) An electrical distribution switchboard comprising the High Speed Transfer System of Claim 8.